

BIOLOGICAL NOTES AND NEW LOCALITIES FOR
THREE RARE SPECIES OF NORTH AMERICAN
TROGOSITIDAE (COLEOPTERA)

D. E. BRIGHT

Biosystematics Research Institute, Agriculture Canada, Ottawa, Ontario

ABSTRACT

Biological notes and new localities are given for *Cylidrella championi* Wickham, *C. mollis* (Sharp) and *Euschaefferia mclayi* (Van Dyke) (Coleoptera: Trogositidae), all associated with bark beetles (Scolytidae).

During several years of field work on North American Scolytidae, I have collected several specimens of 3 rare species of Trogositidae: *Cylidrella championi* Wickham, *C. mollis* (Sharp), and *Euschaefferia mclayi* (Van Dyke). Because of their subcortical habitat, adults are infrequently collected and consequently biological information is totally lacking. These notes are presented to make future collectors aware of the habits of these species.

The specimens are in the Canadian National Collection of Insects except that 2 specimens each of *C. championi* and *C. mollis* are in the Museum of Comparative Zoology. I wish to thank J. R. Barron, Biosystematics Research Institute and J. F. Lawrence, Museum of Comparative Zoology, Harvard University for their assistance in identifying the species of *Cylidrella*, and D. H. Kavanaugh, California Academy of Sciences, San Francisco for sending several paratypes of *E. mclayi*. I appreciate the assistance of J. R. Barron and E. C. Becker in reading and criticizing the manuscript.

Cylidrella championi Wickham

Barron (1971) examined 7 specimens of this species from Colorado and New Mexico. The specimens were reported as "bred" or "collected" from *Picea engelmanni* (Engelmann Spruce). Schaeffer (1918) reported the species from Arizona but gave no locality data. Recently adults were collected at 3 localities in Arizona. Three were taken at Hannagan Camp, Greenlee Co., Arizona on 12 July 1968 from *Pseudotsuga menziesii* (Douglas fir). Four more were collected at Mt. Lemmon, Santa Catalina Mtns., Arizona on 13 July 1974 from *Pinus leiophylla* (Chihuahua Pine) (1) and *Abies lasiocarpa* (Alpine fir) (3). One was taken at Rustler's Park, Chiricahua Mtns., Cochise Co., Arizona on 26 July 1974 from *Pseudotsuga menziesii*.

Three specimens from Mt. Lemmon were taken under the bark of a small, standing, nearly dead, Corkbark fir (*Abies lasiocarpa* var. *arizonica*) just below the summit of the mountain, in galleries of *Phloeotribus puberulus* (LeC.) and in galleries of a species of *Pityophthorus*. The specimen from *Pinus leiophylla* at the same locality was taken in galleries of a *Pityophthorus* species under the bark of a small, standing pine apparently killed by a blister rust.

Cylidrella mollis Sharp

This species was known previously only from Guatemala. Three specimens were collected at Yerba Buena, 20 miles north of Bochil, Chiapas, Mexico on 10 June 1969 from *Quercus* sp., in galleries of *Pseudopityophthorus granulifer* Wood.

Euschaefferia mclayi (Van Dyke)

Only one specimen other than the type series was seen by Barron (1971) and this specimen was from the same locality as the types. This species was known only from Westwood Hills, Los Angeles Co., California associated with the scolytid *Pseudothysanoes bartoni* Bruck. Two specimens were recently collected in Oak Creek Canyon, 6 miles north of Sedona, Arizona, 2 August, 1974 in galleries of *Pseudothysanoes spinura* Wood. These were found in dead branches of an undetermined, low shrub growing on the east-facing wall of the canyon just above the highway.

REFERENCES CITED

- BARRON, J. R. 1971. A revision of the Trogositidae of America north of Mexico (Coleoptera: Cleroidea). Mem. Ent. Soc. Canada 75, 143 pp.
- SCHAEFFER, C. F. A. 1918. On some genera and species of the family Ostomiidae. J. New York Ent. Soc. 26:190-201.

